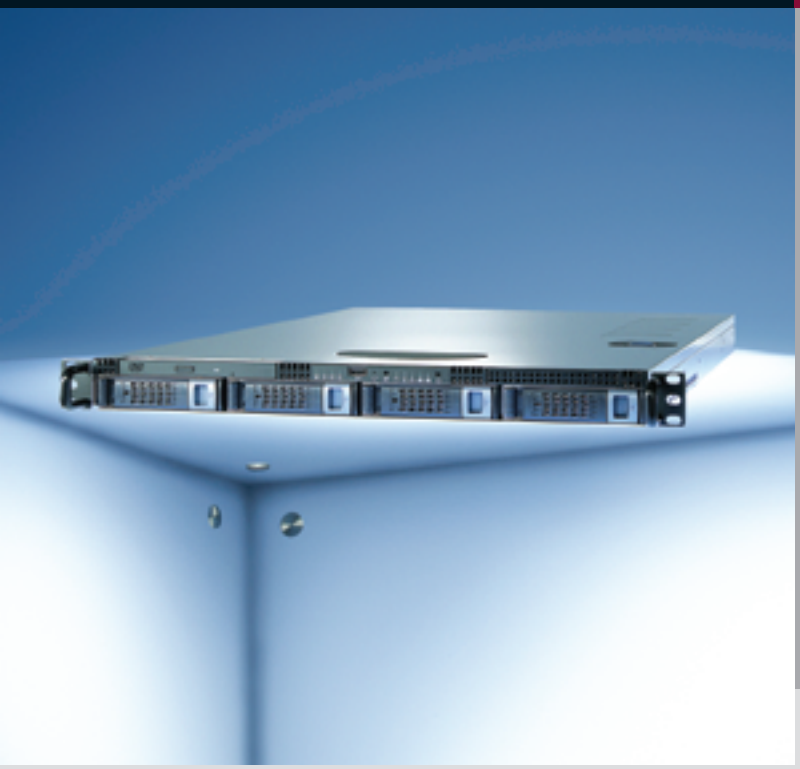
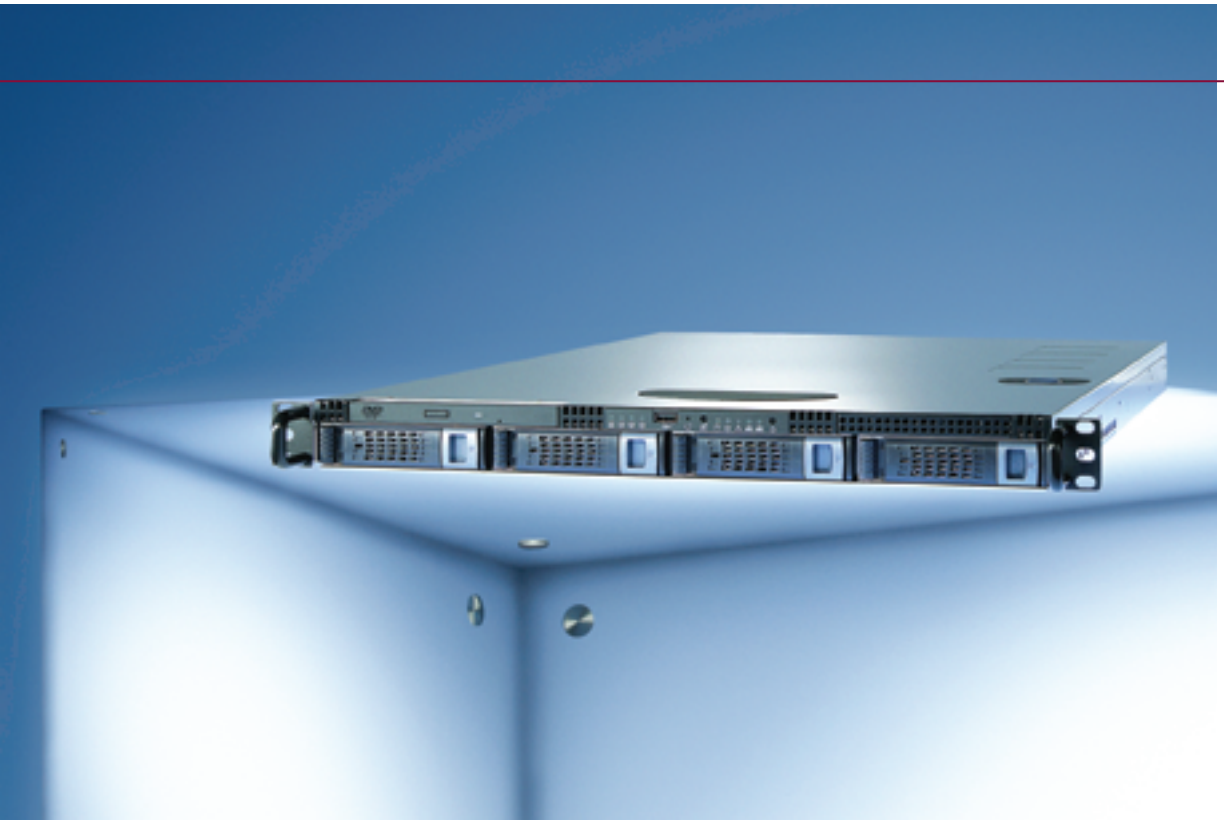
MAXDATA

Space-Saving Uni-Processor Server



MAXDATA PLATINUM Server 820 R



MAXDATA PLATINUM Server 820 R: Space-Saving Uni-Processor Server

Standard Features

The MAXDATA PLATINUM 820 R is an optimized rack-mount server that can be used in mid-sized businesses just as efficiently as it can in the large "server farms" of a full-fledged computer center. In this situation, it takes on the typical duties of a network server, for example as domain controller, DNS server, gateway or firewall server.

The MAXDATA PLATINUM 820 R is equipped with special features just for these tasks. The 1 GB network card makes it possible to quickly connect to the infrastructure, and an on-board S-ATA RAID provides for the required data security. A broad bandwidth is guaranteed by the 64-bit PCI-X slot. The MAXDATA PLATINUM 820 R can take up to four S-ATA hard drives, making RAID 5 or even RAID 10 possible in only one unit. And an S-ATA RAID con-troller can be integrated in the system as an option as well.

The MAXDATA PLATINUM 820 R comes with either a Celeron® or Intel® Pentium® 4 processor. It has an integrated management system that makes using additional hardware for the remote administration of servers superfluous. Server management is connected to the standby power supply and remains active even with servers that are turned off or operating systems that are down. The server management software included with the system continuously monitors the hardware and automatically restarts the server when the operating system fails. This allows for net-work and system administration to be expanded to the server board, making administration of the complete IT infrastructure possible from one common console.

The MAXStart CD simplifies server installation considerably. The user-controlled installation wizard with integrated testing installs the operating system, configures the hardware, and thus guarantees the highest level of system stability.

The facts

Intel® Pentium® 4 Processor
- Intel® Pentium® 4 processor, max. processor speed 3.0 GHz
- 800 MHz front side bus
- 1 MB level cache

Intel® Celeron® Processor
- Intel® Celeron® processor, max. processor speed 2.6 GHz, 400 MHz front side bus, 128 KB level cache
- Intel® Celeron® processor, max. processor speed 2.4 GHz, 533 MHz front side bus, 256 KB level cache

System
- Intel® E7210 chipset
- 1 x 32 bit / 33 MHz PCI slot
- Hardware monitoring, incl. CPU, hard drive, fan, power supply, temperature
- MAXDATA Server Manager Software

Main Memory
- DDR400 SDRAM with ECC
- 4 DIMM sockets
- Max. 4 GB, equipped with 1, 2 or 4 modules

I/O Ports
- 1 x serial
- 1 x PS/2 keyboard port
- 1 x PS/2 mouse port
- 1 x front USB, 3 x rear USB 2.0
- 1 x VGA interface
- 2 x network interfaces

Hard Drives
- S-ATA: Capacities of 80, 120, 160, and 250 GB

On-Board IDE
- IDE ports: 2 ports
- Interface U-DMA 100

On-Board S-ATA
- S-ATA ports: 2 ports, max. 2 hard drives
- RAID 0, 1 (only under Microsoft® Windows® operating systems)

Drives
- DVD-ROM, SlimLine
- 1.44 MB floppy drive, SlimLine

On-Board Network
- First network card 10/100 Mb
- Second network card 10/100/1000 Mb

On-Board Graphics System
- ATI Rage XL, 8 MB SDRAM graphics memory, max. resolution 1600 x 1200

Housing Features
- Housing type: Rack-mount
- 4 HDD built-in
- 1 x 400 W PFC power supply, 230 V, 50 Hz or 115 V, 60 Hz
- incl. 19" built-in rails

Accessories
- MAXDATA Cherry keyboard
- Logitech® S48a wheel mouse
- Manual (German, other languages on request)
- MAXStart server installation CD with drivers, documentation
- Operating system DR DOS preload

Certifications/Standards
- CE mark in accordance with EU directives
- GS mark (safety-tested)
- EN55022/B EMI/EMC
- EN55024 immunity
- EN60950 & 73/23/EEC product safety

Dimensions (width x height x depth)
- Rack-mount: 430 x 43.5 x 569 mm

Environment
- Operating temperature +10° to +30°C
- Humidity 95 % (non-condensing)

Expansion Options

S-ATA RAID Controller

- Controller 3Ware® Escalade™ 8006-2, 2 ports
- Controller 3Ware® Escalade™ 8506-4, 4 ports

Network

- Network card Intel® Pro/1000MT Server
- Network card Intel® Pro/1000MF Server

Case

- S-ATA Backplane, hot-plug

Operating Systems

- Microsoft® Windows® Small Business Server 2003
- Microsoft® Windows® Server 2003 Standard Edition
- Microsoft® Windows® Server 2003 Enterprise Edition
- SuSE® Linux Enterprise Server 9.0

On-Site Service

The MAXDATA PLATINUM 820 R includes one-year on-site service with next workday response, Monday to Friday 8.00 to 18.00 as a standard feature. The modular service model allows for considerable extension options:

- 3-year on-site service with response on the next working day, Monday to Friday 8.00 to 18.00.
- 3-year on-site service with 4-hour response time, Monday to Friday, 8.00 to 18.00.
- 3-year on-site service with 4-hour response time, Monday to Sunday, 24 hours.
- 4-year on-site service with response on the next working day, Monday to Friday 8.00 to 18.00.
- 4-year on-site service with 4-hour response time, Monday to Friday, 8.00 to 18.00.
- 4-year on-site service with 4-hour response time, Monday to Sunday, 24 hours.

You can find your MAXDATA Server Support Center contact information in the extensive documentation that comes with every server.

Highlights

Scope of Operation

There are many possible uses for this optimized rack server system:

- Domain controller
- DNS server
- Gateway or firewall server
- Web server
- Application server

Server Management

The server management software included with the system provides functions that allow optimal management of your MAXDATA PLATINUM Server. The management environment makes it possible to access the hardware data and control func-tions provided by the server, which means that administration of the hardware and computer recovery is possible without installing any other software. Furthermore, this software provides real-time monitoring of current conditions and issues warnings so that you can detect and eliminate errors early on.

Microsoft® Windows® Small Business Server 2003

For companies with up to 75 workstations, MAXDATA offers the PLATINUM 820 R available with pre-installed Windows® Small Business Server 2003 as an option. As a member of the Microsoft® Windows® Server 2003 family, Windows® Small Business Server 2003 contains the most modern, reliable, efficient, as well as highly economically-designed server operating system, Windows® Server 2003 Standard Edition. Other components such as Microsoft® Exchange Server 2003, Microsoft® Outlook® 2003, and Microsoft® Windows® SharePoint™ Services contribute to the ability to quickly utilize the potential of e-mail and teamwork via internet and intranet without time-consuming training.

In order to appropriately meet the specific needs of small and mid-sized businesses, the Windows® Small Business Server 2003 is available from MAXDATA both in the Standard Edition as well as in an enhanced Premium Edition. This also includes Microsoft® SQL Server 2000, Microsoft® Internet Security and Acceleration (ISA) Server 2000, and Microsoft® FrontPage®.

Key Features

- Intel® Pentium® 4 processor or Intel® Celeron® processor
- Max. 4GB DDR400 SDRAM with ECC
- 1U rack-mount housing
- S-ATA RAID 0, 1 on-board, only under Windows®
- Optional: S-ATA 3Ware RAID controller
- MAXDATA Server Manager software

Microsoft Windows Small Business Server 2003

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